

In the Claims:

Please cancel claims 1-29 without prejudice, and add new claims 30-46.

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30. (New) An inductive coil for an electromotive device, comprising:

a pair of concentric conductive sheet metal winding portions each comprising a plurality of axially extending conductive bands each being separated from an adjacent conductive band by a space, each of the conductive bands of one of the winding portions being coupled to one of the conductive bands of the other winding portion, the winding portions being encapsulated in a material that extends through at least one of the spaces from an exterior portion of the induction coil to an interior portion of the induction coil.

31. (New) The inductive coil of claim 30 wherein the winding portions are encapsulated in a potting material.

32. (New) The inductive coil of claim 31 wherein the potting material comprises polyimide.

33. (New) The inductive coil of claim 30 further comprising an insulator disposed between the winding portions.

34. (New) The inductive coil of claim 33 wherein the insulator comprises a non-conductive filament wrapped around an outer surface of said one of the winding portions.

35. (New) The inductive coil of claim 34 wherein the non-conductive filament comprises glass fiber.

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36. (New) The inductive coil of claim 34 wherein the non-conductive filament comprises a thickness between 0.00030-0.00075 inch.

37. (New) The inductive coil of claim 30 wherein each of the spaces separating the conductive bands is less than 1.5 times the thickness of each of the conductive bands.

38. (New) The inductive coil of claim 30 wherein each of the winding portions comprises precision machined and rolled copper.

39. (New) The inductive coil of claim 30 wherein each of the conductive bands comprises a tensile strength greater than 40,000 psi.

40. (New) The inductive coil of claim 30 wherein each of the conductive bands comprises a yield strength greater than 30,000 psi.

41. (New) The inductive coil of claim 30 wherein each of the conductive bands comprises a percent elongation less than 20%.

42. (New) The inductive coil of claim 30 wherein each of the conductive bands comprises a hardness greater than a Brunell number of 70.

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43. (New) The inductive coil of claim 1 further comprising an electrically insulated metal flywheel coupled to the interior portion of the induction coil.

44. (New) The inductive coil of claim 43 wherein the electrical insulation comprises an anodized outer surface of the flywheel, the anodized outer surface being in contact with the interior portion of the induction coil.

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45. (New) The induction coil of claim 44 wherein the metal comprises aluminum.

46. (New) The induction coil of claim 43 wherein the metal comprises aluminum.

REMARKS

Claims 1-29 have been canceled without prejudice. Claims 30-46 have been added. The summary of the invention portion of the specification has been amended in accordance with the added claims. The abstract has also been amended. Attached hereto is a marked-up version of the changes made to the specification and abstract by the current amendment. The attached page is captioned "Version with markings to show changes made." In view of the above amendments and remarks that follow, Applicants respectfully request favorable consideration and a timely indication of allowance.

The Examiner has objected to the drawings for lack of a prior art legend in FIGS. 10b and 10c under MPEP § 608.02(g). In response, Applicants submit herewith proposed drawing corrections in accordance with MPEP §608.02 (v) along with a separate letter to the Official Draftsperson pursuant to MPEP § 608.02 (r). Approval of the proposed drawing corrections are respectfully requested. Formal drawings incorporating the proposed corrections will be filed after a Notice of Allowance is received.

The Examiner has objected to the specification for minor informalities in the abstract. In response, Applicants have amended the abstract in a manner consistent with the Examiner's requirements.

Claims 1 and 9-10 have been rejected under 35 USC § 102(b) as allegedly being anticipated by Margrain (U.S. 3,805,104). Claims 2, 6-7 and 26-29 have been rejected under 35 USC § 103(a) as allegedly being unpatentable over Margrain in view of Lifschitz (U.S.